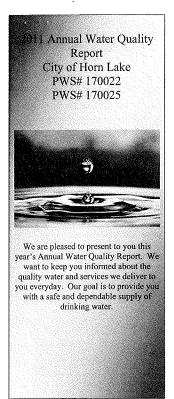
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BUREAU OF PUBLIC WATER SUPPLY CALENDAR YEAR 2011 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM City of Horn Lake Public Water Supply Name 170022 & 170025 List PWS ID #s for all Water Systems Covered by this CCR The Federal Safe Drinking Water Act requires each community public water system to develop and distribute a consumer confidence report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Please Answer the Following Questions Regarding the Consumer Confidence Report Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other) Advertisement in local paper On water bills Other Date customers were informed: ____/___ CCR was distributed by mail or other direct delivery. Specify other direct delivery methods: 5 79/12 Date Mailed/Distributed: CCR was published in local newspaper. (Attach copy of published CCR for proof of publication) Name of Newspaper: Date Published: ____/__/ CCR was posted in public places. (Attach list of locations) Date Posted: _____/___ CCR was posted on a publicly accessible internet site at the address: www._____ **CERTIFICATION** I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply. Name/Title (President, Mayor, Owner, etc.)

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518 PRSRT STD US POSTAGE PAID MEMPHIS, TN PERMIT NO. 380 SO

Horn Lake Utility and Sanitation Department 3101 Goodman Road West Horn Lake, MS 38637



Horn Lake Consumer Confidence Report

HOTH LARK CONSUMER CONSUMER CONTINUENCE REPORT
In my water safet.

Last year, as in years past, your top water met all U.S. Environmental
Protection Agency (EPA) and state drinking water health standards.

The City of Horn Lake virgilizarity safeguards the water supplies and
one again wa are proud to report that our system has not violated a
maximum contaminant level or any other water quality standard
Where does my water come from?

In 2011 our water department distributed 736,819,504 gallons of
water to our customers. Our water is groundwater pumped from a
natural undergeound aquifer, the Sparta Aquifer. The water is drawn
by wells.

water to our customers. Our water is groundwater pumped from a natural undergound aquifer, the Sparta Aquifer. The water is drawn by wells.

Some people may be more vulnerable to contaminants in drinking. Some people may be more vulnerable to contaminants in drinking to the contaminants of the contaminants and including the contaminants are such as previous with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AID/S or other immune system discoders, some elederly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial constantinants are available from the Safe Water Drinking Hotine (800-426-479).

Source Water Assessment Program was condusted by the Department of Environmental Quality under contract from the Massissippi Department of Health. The results of the report are available at http://mlandawotare.deum.sp.ov/wast/perports/pozolars/pa/de-0790922

The susceptibility assessment ranking for each well it:

—PWS ID: 170022, Source ID: 3, Susceptibility, Moderate
—PWS ID: 170022, Source ID: 4, Susceptibility, Moderate
—PWS ID: 170025, Source ID: 4, Susceptibility in Bigher
—PWS ID: 170025, Source ID: 4, Susceptibility Moderate
—PWS ID: 170025, Source ID: 4, Susceptibility Moderate
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—PWS ID: 170025, Source ID: 6, Susceptibility Moderate
—PWS ID: 170025, Source

-PWS ID: 170023, Source 1D: 3, Susceptibility: Moderate
-PWS ID: 170025, Source 1D: 4, Susceptibility: Moderate
Conservation Tips
-Repart household eake.
-Use water saving shower heads, fauces, toltes and appliances.
-Use water saving shower heads, fauces, toltes and appliances.
-Use water saving shower heads, fauces, toltes and appliances.
-Use water saving shower heads, fauces, toltes and appliances.
-Use water saving shower heads for these.
-Additional Information for Lead
-If gresent, elevated levels of lead can cause serious health problems, especially for pregnant women and young children.
-Lead in dinking water is primarily from materials and components associated with service lines and home plumbing. The City of Horn Lake is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been stiting for several hours, you can maintize the munites before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water rested. Information on lead in drinking water, esting methods, and steps you can take to minimize exposure is available from the Safe Drinking Water. Full House Parken House Water House Water

A MESSACE FROM MSDH CONCERNIX RADIOLOGICAL SAMPLANC
In accordance with the Radiomaticles Rule, all community published in accordance with the Radiomaticles Rule, all community published in accordance with the Radiomaticles Rule, all community published to supply completed sampling by the scheduled deadline, however during an audit of the Mississipp. State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EFA) suspended analyses and reporting of adiological compliance samples and results until further notice. Although this was not the result of matient by the public water supply, MSDD was required to use a volation. This is opinify you have any equated to suse a volation. This is opinify you have a vegated and the public water supply, and the public water supply, and the public water supply has telestrated to instead the public water supply as telestrated to instead the public water supply as a stellar supply of the public water supply as a stellar supply of the public water supply as a stellar supply of the public water supply as a stellar supply and the supply of the suppl

Water	Quality	Data	Table

The table below lists all of the drinking water contaminants that we detected during the calendary year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

	MCLG	MCL,						
	or	TT, or	Your	Rai		Sample		
Contaminants	MRDLG	MRDL	Water	Low	High	<u>Date</u>	<u>Violation</u>	Typical Source
Inorganic Contaminants								
Cyanide [as Free Cn] (ppb)	200	200	< 15	< 15	< 15	2011	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Antimony (ppb)	6	6	< 0.50	< 0.50	< 0.50	2011	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	< 0.50	< 0.50	< 0.50	2011	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium (ppm)	2	2	0.0227	0.0142	0.0293	2011	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Beryllium (ppb)	4	4	< 0.5	< 0.5	< 0.5	2011	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, acrospace, and defense industries.
Cadmium (ppb)	5	5	< 0.5	< 0.5	< 0.5	2011	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints.
Chromium (ppb)	100	100	1,47	0.523	3.152	2011	No	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride (ppm)	4	4	< 0.1	< 0.1	< 0.1	2011	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Mercury [Inorganic] (ppb)	2	2	< 0.5	< 0.5	< 0.5	2011	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland.
Selenium (ppb)	50	50	< 2.5	< 2.5	< 2.5	2011	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Thallium (ppb)	0.5	2	< 0.5	< 0.5	< 0.5	2011	No	Discharge from electronics, glass, and leaching from ore- processing sites; drug factories.
Nitrate [measured as Nitrogen] (ppm)	10	10	0.17	< 0.08	0.37	2011	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Nitrite [measured as Nitrogen] (ppm)	1	1	< 0.02	< 0.02	< 0.02	2011	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Copper (ppm)	1.3	1.3=AL	0.14 (89 th percentile)	All sites b	elow AL	2011	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
Lead (ppb)	0	15=AL	1.05 (87 ²⁵ percentile)	All sites b	elow AL	2011	No	Corrosion of household plumbing systems; Erosion of natural deposits.
Chlorine ² (ppm)	MRDLG = 4	MRDL=4	1.05	0.78	1.60	2011	No	Water additive used to control microbes.
Haloacetic Acids (HAA5) (ppb)	NA	60	6.0 (HAA5)	6.0	6.0	2011	No	Byproduct of drinking water chlorination.
Total Trihalo- Methane (ppb)	0	80	11.31 (TTHM)	11.31	11.31	2011	No	Byproduct of drinking water chlorination.



Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L).
ppb	ppb: parts per billion, or micrograms per liter (µg/L).
NA	NA: not applicable.
ND	ND: Not detected.
NR	NR: Monitoring not required, but recommended.
	Drinking Water Definitions
Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MCL	MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variance and Exemption	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
Maximum residual disinfection level goal. The of a drinking water disinfectant below which it no known or expected risk to health. MRDLGs reflect the benefits of the use of disinfectants to control microbial contaminants.	
MNR	MNR: Monitored, Not Regulated.
MRDL	Maximum Residual Disinfection Level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of contaminants.
MPL	MPL: State Assigned Maximum Permissible Level.

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environmental scientísts

> landscape architects

May 29, 2012 N-S Project No. 6.05899.000.015

Ms. Karen Walters
Director of Compliance and Enforcement
Water Supply Division
Mississippi Department of Health
P. O. Box 1700
Jackson, MS 39215-1700

Re:

City of Horn Lake, Mississippi

2011 Consumer Confidence Report

Dear Ms. Walters:

Enclosed please find a copy of the 2011 Consumer Confidence Report (CCR) Certification Statement, the CCR, the proof of distribution for the two public water systems operated by the City of Horn Lake. This should fulfill the City of Horn Lake's requirements by the Federal Safe Drinking Water Act for 2011.

If there are any questions or concerns, please contact me at 662-890-6404.

Sincerely,

NEEL-SCHAFFER, INC.

Jason Allen

Project Engineer

JA/jl

Enclosures

c: Spencer Shields, Director of Public Works